

Iowa Department of Natural Resources
Wastewater Section
Construction Permit Application
SCHEDULE Q, Sludge Digestion & Holding

DATE PREPARED	PROJECT IDENTITY	DNR USE
DATE REVISED		PROJECT NO.
		PERMIT NO.

1. Design Data: First stage _____ Second stage _____ Holding _____

Parameter	Unit 1	Unit 2	Unit 3
Specify whether new or existing			
Type of Process (anaerobic or aerobic)			
Air Provided (CFM)			
Dimension: Diameter x H			
L x W x H			
Effective Capacity (ft ³)			
Effective Capacity (ft ³ /cap.)			
Sludge Feed Volume (GPD)			
Sludge Feed Conc. (% solids by Wt.)			
Detention Time (Days)			
Type of Cover			
Type of Heating Facilities			
Type of Mixing Facilities			
Unvalved Overflow Provided to			
Supernatant Discharged to			
Number of Drawoff Levels			
Method of Drawoff			
Gas Utilization Equipment			
Safety Equipment Provided			

2. Method of maintaining gas under pressure _____

3. Safety Facilities: a. Pressure and vacuum relief valve _____
 b. Flame traps _____
 c. Automatic safety shut-off valves _____

4. Sludge Pumps

Pump No.	Location	Sludge Volume (GPD)	Capacity (GPM)	TDH (ft.)		Force Main Diameter
				Rated	Computed	
1						
2						
3						
4						